Russian Engineering Research 2015 vol.35 N8, pages 617-618

Bit for the core drilling of nonmetals

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Abstract

© 2015, Allerton Press, Inc. The design of tools for core drilling is considered, along with their applicability. The deficiencies of existing designs when machining composites and wood are analyzed, including flaking and scratching on the machined surface. A tool design with group teeth is proposed. This design effectively cuts fibers and permits chip removal. A benefit of the new tool design is improved quality of the machined surface.

http://dx.doi.org/10.3103/S1068798X15080080

Keywords

core drilling, cutting of nonmetals, cutting tool